

ABSTRACT OF THE DISCLOSURE

The present invention is to provide a pneumatic microfluid driving system comprises a servo-device, for providing different combination models of airflow, an air gallery structure, constructed inwardly on the micro-reaction module for receiving said airflow, and a connecting channel, co-constructed in the micro-reaction module to connect said air gallery structure and the reaction area on the micro-reaction module for circulating airflow. The pneumatic microfluid driving method is to utilize said servo-device for providing different volumes and directions of combination models of airflow; when different models of airflow combination are to be blown, via the side of the micro-reaction module, into the air gallery structure in the model, the fluid (samples/reagents) inside the microfluid channel in the micro-reaction module shall be led to cause minute microfluid movement effects like proceeding, receding and stopping. The present invention is particularly suitable for all kinds of micro-reaction modules for biochemical tests and operations, with the effective outcomes of simplifying the production procedures and lowering the costs.

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